

TOP VIEW  
Single or Double Chip Stack

PROFILE VIEW  
Single Chip Stack



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**General Information**

|                          |   |
|--------------------------|---|
| Series                   | KPS SMD Auto X7R  |
| Style                    | Stacked Chip  |
| Description              | SMD, MLCC, Stacked, Single Chip, Class II, Automotive Grade |
| Features                 | Automotive Grade  |
| RoHS                     | Yes   |
| Termination              | Tin   |
| Qualifications           | AEC-Q200  |
| Typical Component Weight | 160 mg  |
| Shelf Life               | 78 Weeks  |
| MSL                      | 1   |

**Dimensions**

|   |                  |
|---|------------------|
| L | 3.5mm +/-0.3mm   |
| W | 2.6mm +/-0.3mm   |
| T | 3.35mm +/-0.10mm |
| B | 0.8mm +/-0.15mm  |

**Packaging Specifications**

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 600                      |

**Specifications**

|  |   |
|--|---|
| Capacitance  | 3.3 uF  |
| Measurement Condition  | 1 kHz 1.0Vrms                                   |
| Tolerance  | 10%   |
| Voltage DC   | 50 VDC  |
| Dielectric Withstanding Voltage                                    | 125 VDC   |
| Temperature Range  | -55/+125°C                                      |
| Temp. Coefficient  | X7R   |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms                               |
| Dissipation Factor   | 2.5% 1 kHz 1.0Vrms                              |
| Aging Rate   | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance  | 151.5 MOhms                                     |

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